SPECIALIZED BICYCLE OWNER'S MANUAL

HOTWALK

1st Edition, 2009

The Hotwalk meets EN 71 Standard.

IMPORTANT:

This manual contains important safety, performance and service information. Read it before your child takes the first ride on the new Hotwalk, and keep it for reference.

Specialized recommends that all repair and maintenance be performed by an Authorized Specialized Dealer. A list of Authorized Specialized Dealers, as well as International Subsidiaries and Distributors is available at www.specialized.com.

If you have any questions or do not understand something, take responsibility for your child's safety and consult with your Authorized Specialized Dealer or the Hotwalk's manufacturer.

NOTE: This manual is not intended as a comprehensive use, service, repair or maintenance manual. Please see your Authorized Specialized Dealer for all service, repairs or maintenance, proper storage and replacement parts. Your Authorized Specialized Dealer may also be able to refer you to classes, clinics or books on bicycle use, service, repair or maintenance.

Thank you for buying a Specialized! We're proud to be your brand of choice.

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Please note all instructions are subject to change and updates without notice.
Please visit www.specialized.com for periodic tech updates.
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GENERAL WARNING:

Like any sport, bicycling involves risk of injury and damage. By choosing to allow your child to ride a Hotwalk, you assume the responsibility for that risk, so you need to know – and to practice – the rules of safe and responsible riding and of proper use and maintenance. Proper use and maintenance of your child's Hotwalk reduces risk of injury.

This Manual contains many "Warnings" concerning the consequences of failure to maintain or inspect your child's Hotwalk and of failure to follow safe cycling practices.

The combination of the safety alert symbol ⚠ and the word **WARNING** indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.

⚠ **WARNING: Many of the Warnings say "you may lose control and fall". Because any fall can result in serious injury or even death, we do not always repeat the warning of possible injury or death.**

Because it is impossible to anticipate every situation or condition which can occur while riding, this Manual makes no representation about the safe use of the Hotwalk under all conditions. There are risks associated with the use of the Hotwalk which cannot be predicted or avoided, and which are the sole responsibility of the parent.

⚠ **WARNING: Protective equipment should be worn. Not to be used in traffic. The Hotwalk should only be used under direct supervision of an adult. Protective equipment (helmet, gloves, knee and elbow pads, etc.) should be worn when riding the Hotwalk.**

Specialized requires that all repair/replacement of parts be performed by an Authorized Specialized Dealer.

A SPECIAL NOTE TO PARENTS:

As a parent or guardian, you are responsible for the activities and safety of your minor child, and that includes making sure that the Hotwalk is properly fitted to the child; that it is in good repair and safe operating condition; that you and your child have learned and understand the safe operation of the Hotwalk; that your child can put both feet on the ground, control the direction and stop; and that you have learned, understand and obey not only the applicable local motor vehicle, bicycle and traffic laws. As a parent, you should read this manual.

⚠ **WARNING: Make sure that your child always wears a bicycle helmet when riding; but also make sure that your child understands that a bicycle helmet is for bicycling only, and must be removed when not riding. A helmet must not be worn while playing, in play areas, on playground equipment, while climbing trees, or at any time while not riding a bicycle. Failure to follow this warning could result in serious injury or death.**

⚠ **WARNING: The Hotwalk is designed to be ridden by children under parental supervision at all times. Do not allow your child to ride in streets/traffic on the Hotwalk. Do not allow your child to cross streets on the Hotwalk. The Hotwalk is only intended for sidewalk use. Avoid areas involving automobiles and obstacles/hazards including hills, curbs, stairs, sewer grates, drop-offs or pools.**

⚠ **WARNING: The Hotwalk is intended for children 2 to 4 years old and weighing less than 40 pounds.**

1. FIRST

NOTE: We strongly urge you to read this Manual in its entirety before your child's first ride.

A. Safety first

1. **Your child should always wear a bicycle helmet which meets the latest certification standards in your country when riding a Hotwalk. Follow the helmet manufacturer's instructions for fit, use and care.**
2. **Do you know how to correctly secure the front and rear wheels? Check Section 4.A to make sure. Riding with an improperly secured wheel can cause the wheel to wobble or disengage from the Hotwalk, and cause serious injury or death.**

B. Mechanical Safety Check

Routinely check the condition of the Hotwalk before every ride.

- **Nuts, bolts screws & other fasteners:** Because manufacturers use a wide variety of fastener sizes and shapes made in a variety of materials, the correct tightening force or torque cannot be generalized. A professional bicycle mechanic with a torque wrench should torque the fasteners on the Hotwalk. If you choose to work on the Hotwalk, you must use a torque wrench and the correct tightening torque specifications. If you need to make an adjustment at home or in the field, we urge you to exercise care, and to have the fasteners you worked on checked by your Authorized Specialized Dealer as soon as possible.

WARNING: Correct tightening force on fasteners -nuts, bolts, screws- on the Hotwalk is important. Too little force, and the fastener may not hold securely. Too much force, and the fastener can strip threads, stretch, deform or break. Either way, incorrect tightening force can result in component failure, which can cause you to loose control and fall.

Always use a correctly calibrated torque wrench to tighten critical fasteners on the Hotwalk. Carefully follow the torque wrench manufacturer's instructions on the correct way to set and use the torque wrench for accurate results.

PART DESCRIPTION	TORQUE in-lbf (Nm)
SEAT COLLAR	55 (6.2)
STEM @ STEERER TUBE	160 (18.1)
STEM @ HANDLEBAR	80 (9.0)
WHEEL AXLE	200 (22.6)

- **Make sure nothing is loose.** Lift the Hotwalk off the ground by two or three inches, then let it bounce on the ground. Anything sound, feel or look loose? Do a visual and tactile inspection of the whole Hotwalk. Any loose parts or accessories? If so, secure them. If you're not sure, ask someone with experience to check.
- **Tires & Wheels:** Make sure tires are correctly inflated (see Section 4.B). Check by putting one hand on the saddle, one on the intersection of the handlebars and stem, then bouncing your child's approximate weight on the Hotwalk while looking at tire deflection.
- **Tires in good shape?** Spin each wheel slowly and look for cuts in the tread and sidewall. Have your Authorized Specialized Dealer replace damaged tires with appropriately sized replacement tires before riding the Hotwalk.
- **Handlebar and saddle alignment:** Make sure the saddle and handlebar stem are parallel to the Hotwalk center line and clamped tight enough so that you can't twist them out of alignment. See Section 3.
- **Handlebar ends:** Make sure the handlebar grips are secure and in good condition. If not, have your Authorized Specialized Dealer replace them. Make sure the handlebar ends are

plugged. If not, have your Authorized Specialized Dealer plug them before you ride.

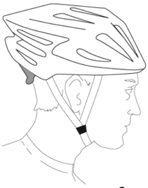
WARNING: Loose or damaged handlebar grips can cause your child to lose control and fall. Unplugged handlebars can cut your child and cause serious injury in an otherwise minor accident.

2. SAFETY

A. Braking

The Hotwalk has no brakes other than your child's feet. The Hotwalk is capable of high speeds, so your child should not ride on hills.

B. The Basics



1. Your child should always wear a bicycle helmet which meets the latest certification standards in your country and is appropriate for your child. Always follow the helmet manufacturer's instructions for fit, use and care of the helmet. Most serious bicycle injuries involve head injuries which might have been avoided if the rider had worn an appropriate helmet.

WARNING: Failure to wear a helmet when riding may result in serious injury or death.

2. Always wear:

- Long sleeve shirts.
- Long pants.
- Closed toe shoes that will stay on your child's feet. Make sure that shoe laces cannot get into moving parts. Never ride barefoot or in sandals.
- Bright, visible clothing, which is not so loose that it can be tangled in the Hotwalk or snagged by objects at the side of the road or trail.

3. Ride at a speed appropriate for conditions. Higher speed means higher risk.

C. Night Riding

Your child should never ride the Hotwalk at dawn, at dusk or at night. The Hotwalk should only be ridden during the day.

3. FIT

NOTE: Correct fit is an essential element of bicycling safety, performance and comfort. Making the adjustments to the Hotwalk which result in correct fit for your child requires experience, skill and special tools. Always have your Authorized Specialized Dealer make the adjustments on the Hotwalk; or, if you have the experience, skill and tools, have your Authorized Specialized Dealer check your work before riding.

WARNING: If the Hotwalk does not fit properly, your child could lose control and fall. If the new Hotwalk doesn't fit, ask your Authorized Specialized Dealer **to exchange it before your child rides it.**

A. Saddle position

Correct saddle adjustment is an important factor. If the saddle position is not comfortable for your child or your child's feet cannot touch the ground, see your Authorized Specialized Dealer.

- Loosen the seat post clamp (A)
- Raise or lower the seat post in the seat tube (B)
- Make sure the saddle is straight fore and aft (parallel with the frame)
- Re-tighten the seat post clamp (A) to the recommended torque (55 in-lbf [6.2 N*m])

Once the saddle is at the correct height, make sure that the seat post does not project from the frame beyond its "Minimum Insertion" or "Maximum Extension" (C) mark (fig. 2).

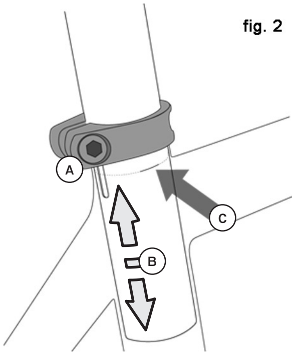


fig. 2

WARNING: If the seat post is not inserted in the seat tube as described in section A above, the seat post or seat tube may break, which could cause your child to lose control and fall.

NOTE: The Hotwalk seat post has a limited adjustability range. Pay particular attention to the "Minimum Insertion" or "Maximum Extension" mark.

- Recommended torque for the seat collar is 55 in-lbf (6.2 N*m)

B. Handlebar height and angle

The Hotwalk is equipped with a "quill" stem, which clamps inside the steerer tube by way of an expanding binder bolt (fig. 3).

A quill stem has an etched or stamped mark on its shaft which designates the stem's "Minimum Insertion" or "Maximum Extension" (A).

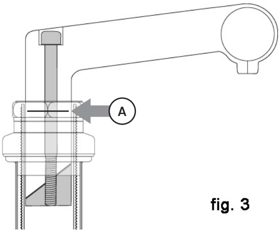


fig. 3

WARNING: A quill stem's Minimum Insertion Mark must not be visible above the top of the headset. If the stem is extended beyond the Minimum Insertion Mark the stem may break or damage the fork's steerer tube, which could cause your child to lose control and fall.

The Hotwalk quill stem has a limited adjustability range. Pay particular attention to the "Minimum Insertion" or "Maximum Extension" mark.

WARNING: An insufficiently tightened quill stem bolt or handlebar clamp bolt may compromise steering action, which could cause your child to lose control and fall. Place the front wheel of the Hotwalk between your legs and attempt to twist the handlebar/stem assembly. If you can twist the stem in relation to the front wheel, turn the handlebars in relation to the stem, or turn the bar end extensions in relation to the handlebar, the bolts are insufficiently tightened.

- Recommended torque for the quill stem bolt is 160 in-lbf (18.1 N*m).
- Recommended torque for the handlebar clamp bolts is 80 in-lbf (9.0 N*m).

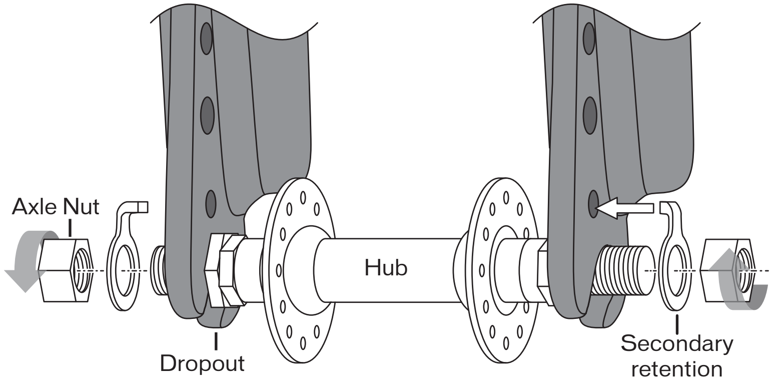
4. TECH

It's important to your child's safety, performance and enjoyment for you to understand how things work on the Hotwalk. We urge you to ask your Authorized Specialized Dealer how to do the things described in this section before you attempt them yourself, and that you have your Authorized Specialized Dealer check your work before the Hotwalk is ridden. If you have even the slightest doubt as to whether you understand something in this section of the Manual, talk to your Authorized Specialized Dealer.

A. Wheels

Hotwalk wheels are designed to be removable for easier transportation and for repair of a tire puncture. In most cases, the wheel axles are inserted into slots, called "dropouts" in the fork and frame.

Wheels are secured using secondary retention devices, and axle nuts which are threaded on to the hub axle (bolt-on wheel, fig. 4).



WARNING: Riding with an improperly secured wheel can allow the wheel to wobble or fall off the Hotwalk, which can cause serious injury or death. Therefore, it is essential that you:

1. **Ask your** Authorized Specialized Dealer **to help you make sure you know how to install and remove your wheels safely.**
2. **Understand how to correctly tighten the bolts that secure the wheels in place.**
3. **Before your child rides the Hotwalk, check that the wheel is securely clamped.**

The clamping action of a correctly secured wheel must emboss the surfaces of the dropouts.

Recommended torque for the wheel axle nuts is 200 in-lbf (22.6 N*m).

1. Wheel Secondary Retention Devices

The Hotwalk utilizes a secondary wheel retention device to reduce the risk of the wheel disengaging from the fork or frame if the wheel is incorrectly secured.

Ask your Authorized Specialized Dealer to explain the secondary retention device on the Hotwalk.

WARNING: Do not remove or disable the secondary retention device. As its name implies, it serves as a back-up for a critical adjustment. If the wheel is not secured correctly, the secondary retention device can reduce the risk of the wheel disengaging from the fork. Removing or disabling the secondary retention device may also void the warranty.

Secondary retention devices are not a substitute for correctly securing your wheel. Failure to properly secure the wheel can cause the wheel to wobble or disengage, which could cause your child to lose control and fall, resulting in serious injury or death.

2. Removing and Installing wheels

Removing:

1. Loosen the nuts.
2. Disengage the secondary retention device.
3. You may need to tap the top of the wheel with the palm of your hand to release the wheel from the front fork.

Installing:

1. With the steering fork facing forward, insert the wheel between the fork blades so that the axle seats firmly at the top of the fork dropouts. Engage the secondary retention device .
2. Push the wheel firmly to the top of the slots in the fork dropouts, and at the same time center the wheel rim in the fork. Tighten the fasteners to 200 in-lbf (22.6 N*m).
3. Repeat the process for the rear wheel.
4. Spin the wheels to make sure that they're centered in the frame.

B. Tires and Tubes

1. Tires

The size and pressure rating, are marked on the sidewall of the tire (see fig. 5). The part of this information which is most important to you is Tire Pressure.

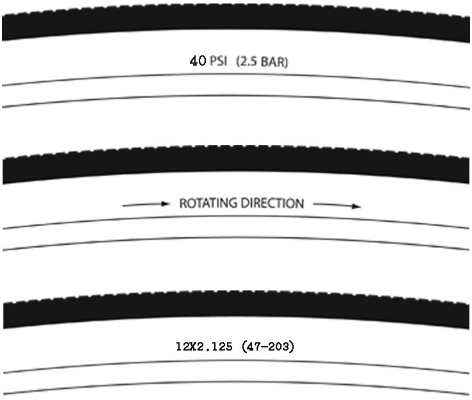


fig. 5

WARNING: Never inflate a tire beyond the maximum pressure marked on the tire's sidewall. Exceeding the recommended maximum pressure may blow the tire off the rim, which could cause damage to the Hotwalk and injury to the rider and bystanders.

The best and safest way to inflate a bicycle tire to the correct pressure is with a bicycle pump which has a built-in pressure gauge.

WARNING: There is a safety risk in using gas station air hoses or other air compressors. They are not made for bicycle tires. They move a large volume of air very rapidly, and will raise the pressure in your tire very rapidly, which could cause the tube to explode.

WARNING: Tire/tube installation/removal is a difficult task which requires specific bicycle knowledge and experience. Specialized recommends the work be performed by your Authorized Specialized Dealer.

2. Tire Valves

Hotwalks are equipped with the Schraeder valve (fig. 6) which is like the valve on a car tire. To inflate a Schraeder valve tube, remove the valve cap and clamp the pump fitting onto the end of the valve stem. To let air out of a Schraeder valve, depress the pin in the end of the valve stem with the end of a key or other appropriate object.

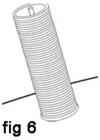


fig 6

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